UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/287,296	04/07/1999	YEOGIRL YUN	20991.701	3718

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EXAMINER
HAVAN, THU THAO

ART UNIT	PAPER NUMBER
3624	

DATE MAILED: 09/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/287,296	YUN ET AL.
	Examiner	Art Unit
	Thu Thao Havan	3624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *13 June 2005*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1,2,4-7,9-21 and 23-34* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1,2,4-7,9-21 and 23-34* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *07 April 1999* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Detailed Action

Response to Amendment

Claims 1-2, 4-7, 9-21, and 23-34 are pending. This action is in response to the

Appeal Brief received June 13, 2005.

Response to Arguments

Applicant's arguments with respect to claims 1-2, 4-7, 9-21, and 23-34 have been

considered but are moot in view of the new ground(s) of rejection.

Drawings

The Examiner accepts the drawings filed on April 7, 1999.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims **1-2, 4-7, 9-21, and 23-34** are rejected under 35 U.S.C. 103(a) as being

unpatentable over Bowen et al. (US 6,094,649) in view of England (US 6,144,991).

Re claims **1, 18, 21,** and **32,** Bowen teaches a method of extracting data of interest

from a plurality of web sites (col. 2, lines 30-46; col. 1, lines 5-10), the method comprising:

A) for each respective web site W in said plurality of web sites (fig. 4),

    (i) creating a respective description of data of interest that identifies the web site W (col. 2, lines 47-66);

    (ii) the extraction pattern identifying at least a portion of the output of a web site and extracting information from the respective web site W (col.12, lines 5-34); and

    (iii) associating the developed extraction pattern with the respective description of data of interest for the web site W (col. 11, lines 45-67; col. 12, lines 5-22);

B) receiving a value that can be used as an extraction parameter for the developed extraction patterns (col. 12, lines 35-65); and

C) obtaining said data of interest by querying web sites in the plurality of web sites using the value and the extraction patterns associated with the respective descriptions of data of interest, wherein when the data of interest includes data of interest from at least two web sites of the plurality of web sites, the data of interest from the at least two web sites is provided (col. 11, lines 35-44; col. 2, line 5 to col. 3, line 12; col. 3, line 45 to col. 4, line 3). *In other words, Bowen discloses documents send to the user interface to be displayed on a screen as part of a graphical user interface. In that, HTML web pages are extracted by a web server. In addition, Web crawlers and other network-roaming agents index the pages at sporadic intervals. After a given page is posted to the network, considerable time may pass before an agent encounters and indexes the page. A given index often points to information at numerous sites. The same page may be indexed in different ways by different agents.*

However, Bowen does not explicitly teach developing an extraction pattern based on output from the respective web site using a graphical user interface tool. Nevertheless,

Bowen discloses using a graphical user interface for sending documents (col. 12, lines 29-

34). On the other hand, England discloses developing an extraction pattern based on

output from the respective web site using a graphical user interface tool (col. 2, line 65 to col.

3, line 25). England discloses browser usually has a graphical user interface (GUI) that

displays the information in a graphical form or text only on the user's PC system. In

addition, he discloses the GUI of the browser allows the user to pick commands, start

programs, and view documents or other options by selecting from windows, icons, links,

and menus on the display screen. For example, a user can type queries (i.e. words or

phrases) into search engines, follow ideas from one document to another using links, type

a URL in the location bar and hit the enter key, select an item from one of a series of

menus located on the browser (such as select a bookmark or select a Web site or Web

page from the history list). Thus, it would have been obvious to one of ordinary skill in the

art to include graphical user interface (GUI) in a browser to extract information in a pattern

format as discloses in England.

Re claims **2, 5, 7,** and **20**, England teaches graphical user interface tool includes a

web browser (fig. 24).

Re claims **4** and **9-17**, Bowen teaches applying the extraction pattern to the output of

the web site that is displayed in a source view in the web browser thereby identifying the at

least a portion of the output for the web site; and displaying a rendered version of the at least

a portion of the output of the web site (col. 13, lines 5-52).

Re claims **6** and **25-26**, Bowen teaches plurality of predefined extraction patterns

includes at least one of an extraction pattern for matching a hyperlink, an extraction pattern

for matching a form, and an extraction pattern for matching a price (col. 1, lines 47-58; col. 10, lines 23-36).

Re claim **19**, Bowen teaches developing an extraction pattern includes means for selecting an instruction from a predetermined list of instructions (col. 7, lines 30-50; fig. 1).

Re claims **23-24, 27-28,** and **33**, Bowen teaches a pre-condition regular expression, a portion of data of interest regular expression, and a post-condition regular expression and wherein said developing comprises refining at least one of said pre-condition regular expression, said portion of data of interest regular expression, and said post-condition regular expression (col. 5, line 55 to col. 6, line 15).

Re claims **29-31** and **34**, Bowen teaches data of interest is information associated with a product or information associated with a service (figs. 2-3). *Bowen discloses data of interest includes information associated with a service to extract data.*

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thu Thao Havan whose telephone number is (571) 272-8111. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on (571) 272-6747. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see <http://pair-direct-uspto.gov/>. Should you have questions on access to the

Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-

free).

TTH
9/13/2005

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